

TOP SECRET

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6 August 1973

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MEMORANDUM FOR: [REDACTED] NSA  
THROUGH : [REDACTED] NSA/LO/NPIC  
SUBJECT : TWIN DISH Antenna Orientations, USSR  
REFERENCE : NSA Requirement NSA/SPO/R-391-73  
(NPIC Project 252027)

TK  
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RETURN TO DSB  
IH1107, Hq.

1. This memorandum presents information on six troposcatter stations: Golitsyno, Kapustin, Kerch, Lvov, Mary, and Salmi, in the Soviet Union. Primary consideration was given to the orientations of TWIN DISH (R-408) antennas as requested in the reference above.

2. Five of the six stations had TWIN DISH troposcatter antennas. The stations and TWIN DISH antenna orientations are:

A) Golitsyno, Radcom XMTR Station

[REDACTED]  
One pair of TWIN DISH antennas [REDACTED]

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B) Kapustin Yar Troposcatter Station East

[REDACTED]  
Two pairs of TWIN DISH antennas oriented 280 [REDACTED] degrees.

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C) Kerch Airfield AW Radar Station TALL KING

[REDACTED]  
One pair of TWIN DISH antennas oriented [REDACTED]

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D) Lvov Troposcatter Station

[REDACTED]  
One pair of TWIN DISH antenna oriented [REDACTED]

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E) Mary Troposcatter Station

[REDACTED]  
One pair of TWIN DISH antenna oriented 265 degrees.

3. The Salmi Troposcatter Station [REDACTED] has no TWIN DISH antennas; however, five FORK REST antennas were observed.

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4. This project is considered to be complete. Any questions regarding this project should be directed to [redacted] the Communications Branch, MSD/IEG, on extens

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[redacted]  
Chief, Imagery Exploitation Group  
NPIC

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- Cy 1&2 - NSA/PO4/SOC
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- 8 - NPIC/PSG/RRD/IB/ESS
- 9 - NPIC/PSG/RRD/TDPB
- 10&11 - NPIC/IEG/MSD/CR
- 12 - NPIC/PS (Attn; [redacted])
- 13 - NISC
- 14 - AF/INAKB
- 15 - AFIS/INYD (Att

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